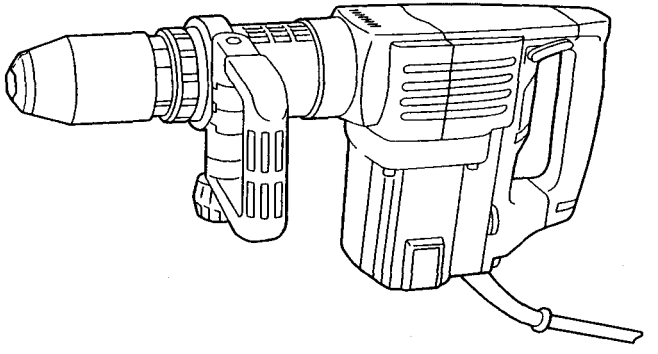
アメリカ

Demolition Hammer

MODEL HM1242C
Variable Speed

INSTRUCTION MANUAL



DOUBLE INSULATION

SPECIFICATIONS

Blows per minute	Overall length	Net weight
950 – 1,900	572 mm (22-3/4")	9.3 kg (20.5 lbs)

- Manufacturer reserves the right to change specifications without notice.
- Note: Specifications may differ from country to country.

WARNING: For your personal safety, READ and UNDERSTAND before using.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

GENERAL SAFETY RULES

(For All Tools)

WARNING! Read and understand all instructions. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

READ ALL INSTRUCTIONS.

WORK AREA

1. **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.
3. **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

4. **Double Insulated tools are equipped with a polarized plug (one blade is wider than the other.) This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way.** Double insulation ⧈ eliminates the need for the three wire grounded power cord and grounded power supply system.
5. **Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.
6. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
7. **Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately.** Damaged cords increase the risk of electric shock.
8. **When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W."** These cords are rated for outdoor use and reduce the risk of electric shock.

PERSONAL SAFETY

9. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
10. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.

11. **Avoid accidental starting. Be sure switch is off before plugging in.** Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.
12. **Remove adjusting keys or wrenches before turning the tool on.** A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
13. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.
14. **Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

TOOL USE AND CARE

15. **Use clamps or other practical way to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.
16. **Do not force tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.
17. **Do not use tool if switch does not turn it on or off.** Any tool that cannot be controlled with the switch is dangerous and must be repaired.
18. **Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.
19. **Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
20. **Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control.
21. **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools operation. If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.
22. **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool, may become hazardous when used on another tool.

SERVICE

23. **Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.
24. **When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual.** Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury.

Specific Safety Rules

1. **Hold tools by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord.** Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.
2. **Wear ear protectors when using the tool for extended periods.** Prolonged exposure to high intensity noise can cause hearing loss.
3. **Wear a hard hat (safety helmet), safety glasses and/or face shield. It is also highly recommended that you wear a dust mask and thickly padded gloves.**
4. **Be sure the bit is secured in place before operation.**
5. **Under normal operation, the tool is designed to produce vibration. The screws can come loose easily, causing a breakdown or accident. Check tightness of screws carefully before operation.**
6. **In cold weather or when the tool has not been used for a long time, let the tool warm up for a while by operating it under no load. This will loosen up the lubrication. Without proper warm-up, hammering operation is difficult.**
7. **Always be sure you have a firm footing.**
   Be sure no one is below when using the tool in high locations.
8. **Hold the tool firmly with both hands.**
9. **Keep hands away from moving parts.**
10. **Do not leave the tool running. Operate the tool only when hand-held.**
11. **Do not point the tool at any one in the area when operating. The bit could fly out and injure someone seriously.**
12. **Do not touch the bit or parts close to the bit immediately after operation; they may be extremely hot and could burn your skin.**

SAVE THESE INSTRUCTIONS.

SYMBOLS

The followings show the symbols used for tool.

V ..... volts
A ..... amperes
Hz ..... herts

..... alternating current

..... Class II Construction

.../min ..... revolutions or reciprocation per minute

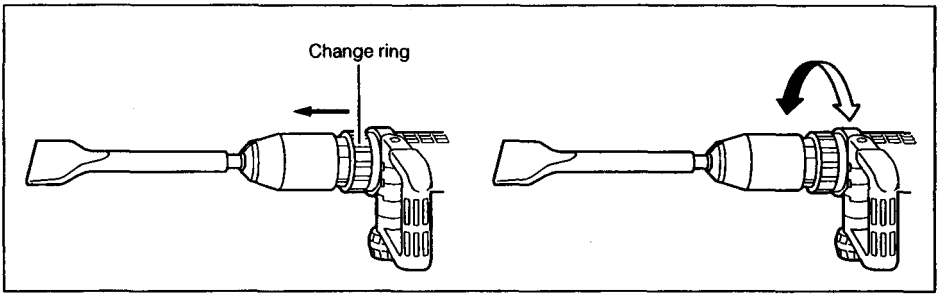
..... number of blow

FUNCTIONAL DESCRIPTION

Bit angle

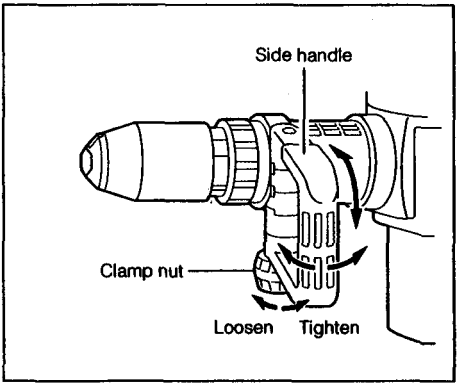
The bit can be secured at 12 different angles. To change the bit angle, slide the change ring forward, then turn the change ring to change the bit angle. At the desired angle, slide the change ring back to the original position. The bit will be secured in place.

NOTE:
The change ring cannot turn when the bit is not installed on the tool.

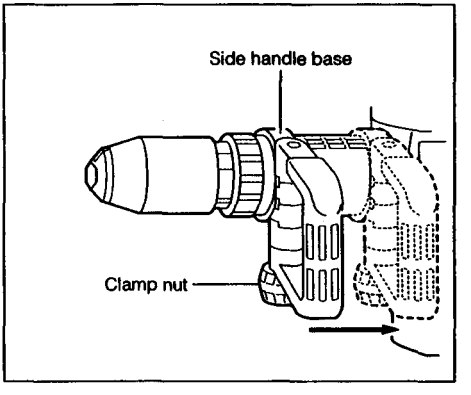


Side handle (auxiliary handle)

The side handle can be swung 360° on the vertical and secured at any desired position. It also secures at eight different positions back and forth on the horizontal. Just loosen the clamp nut to swing the side handle to a desired position. Then tighten the clamp nut securely.



The side handle also can be mounted in the rear groove. Loosen the clamp nut and widen the side handle base. Slide the side handle back to the rear groove and secure it with the clamp nut.

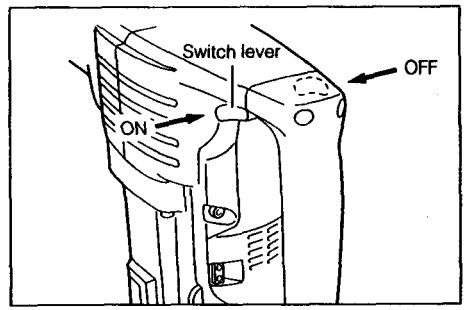


Switch action

CAUTION:

Before plugging in the tool, always check to see that the tool is switched off.

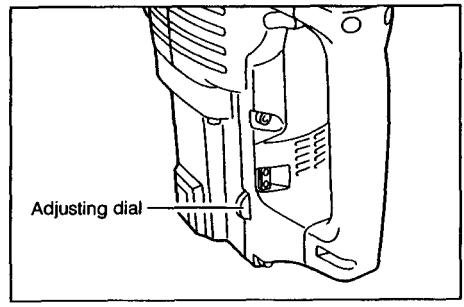
To start the tool, push the switch lever on the left side of the tool. To stop the tool, push the switch lever on the right side of the tool.



Speed change

The blows per minute can be adjusted between 950 and 1,900 BPM just by turning the adjusting dial. This can be done even while the tool is running. The dial is marked 1 (lowest speed) to 6 (full speed). Refer to the table below for the relationship between the number settings on the adjusting dial and the blows per minute.

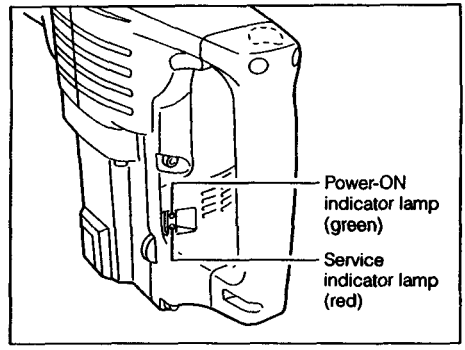
Number on adjusting dial	Blows per minute
6	1,900
5	1,800
4	1,550
3	1,300
2	1,050
1	950



Indicator lamp

The green power-ON indicator lamp lights up when the tool is switched ON. If the indicator lamp is lit but the tool does not start, the carbon brushes may be worn out, or the electric circuit or the motor may be defective. If the indicator lamp does not light up and the tool does not start, the ON/OFF switch or the mains cord may be defective.

The red service indicator lamp lights up when the carbon brushes are nearly worn out to indicate that the tool needs servicing. After approx. 8 hours of use, the motor will automatically be shut off.



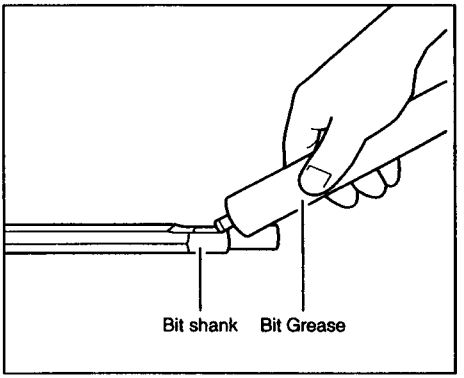
ASSEMBLY

Installing or removing bit

CAUTION:

Always be sure that the tool is switched off and unplugged before installing or removing the bit.

This tool accepts 3/4" Hexagonal and 21/32" round shank bits. Clean the bit shank and apply the bit grease provided to it before installing the bit.

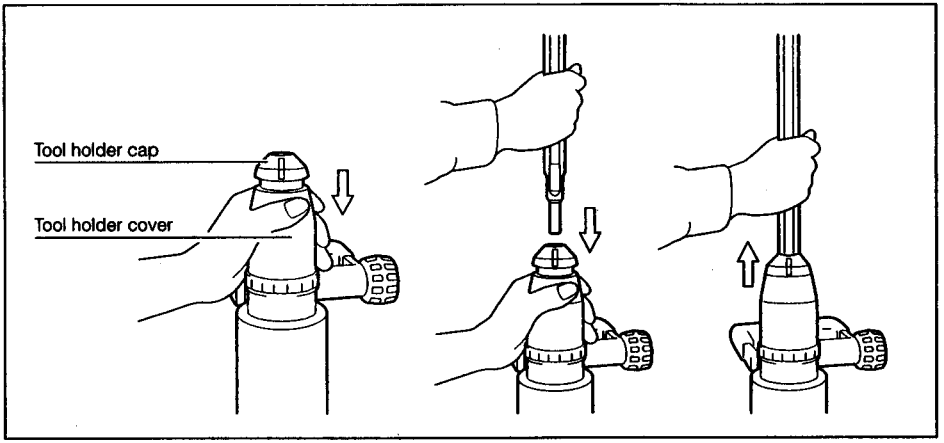


Pull the tool holder cover down all the way.

With the cut in the bit shank aligned with the notch in the tool holder cap, insert the bit into the tool holder.

Release the tool holder cover. It will return automatically to its original position to secure the bit.

After installing, always make sure that the bit is securely held in place by trying to pull it out.

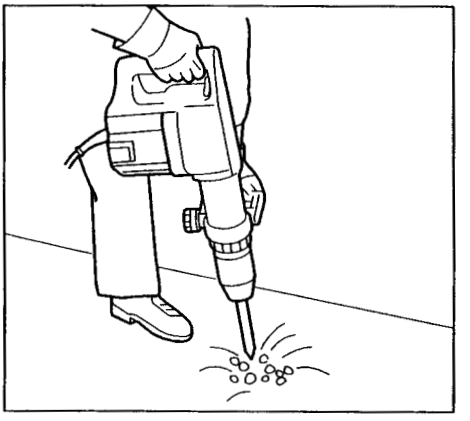


To remove the bit, pull the tool holder cover down all the way and pull the bit out.

OPERATION

Chipping/Scaling/Demolition

Hold the tool firmly with both hands. Turn the tool on and apply slight pressure on the tool so that the tool will not bounce around, uncontrolled. Pressing very hard on the tool will not increase the efficiency.



MAINTENANCE

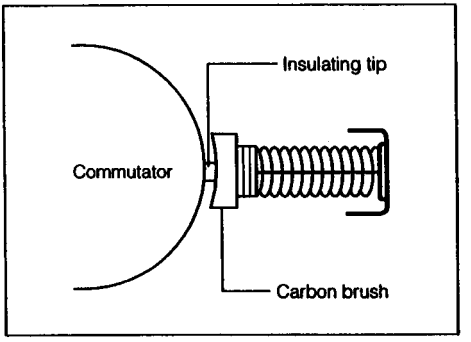
CAUTION:

Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

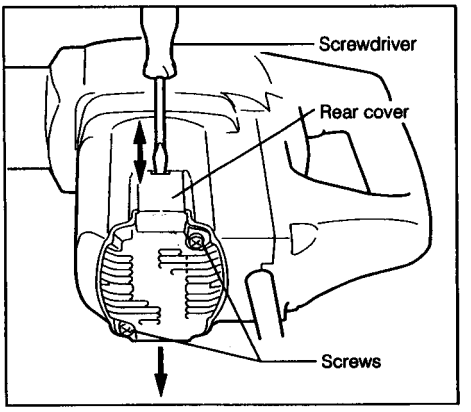
Replacing carbon brushes

When the resin insulating tip inside the carbon brush is exposed to contact the commutator, it will automatically shut off the motor.

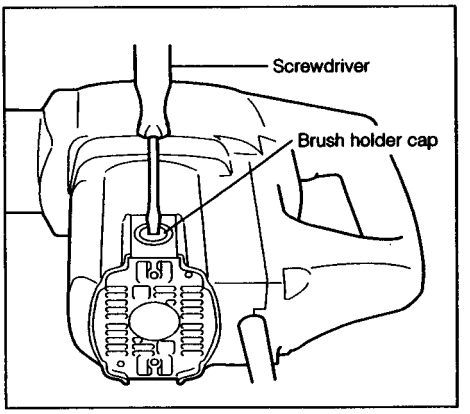
When this occurs, both carbon brushes should be replaced. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes.



Remove the screws which secure the rear cover. Pry up the rear cover with a screwdriver and remove it.



Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps.

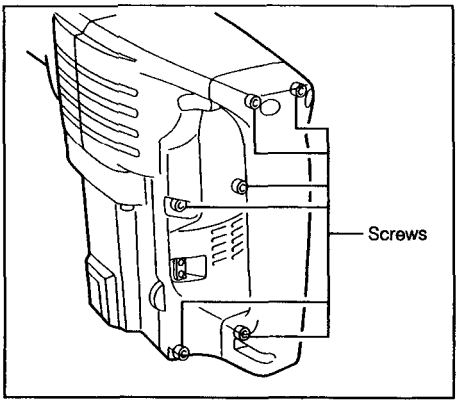


Lubrication

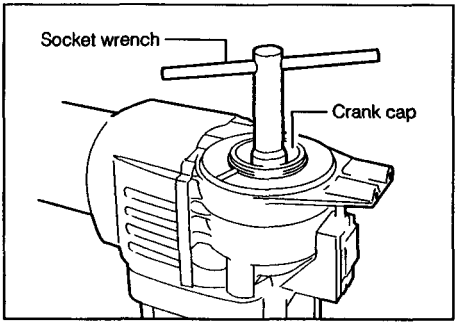
This tool requires no hourly or daily lubrication because it has a grease-packed lubrication system. It should be relubricated after every 6 months of operation. Send the complete tool to Makita Authorized or Factory Service Center for this lubrication service. However, if circumstances require that you should lubricate it by yourself, proceed as follows.

Run the tool for several minutes to warm it up. Switch off and unplug the tool.

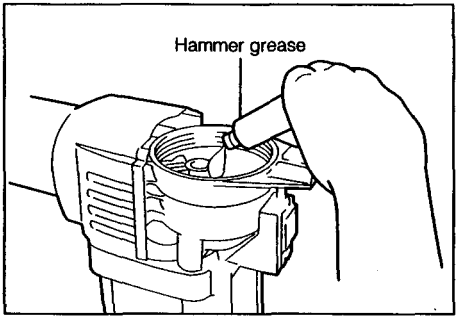
Loosen the six screws and remove the handle.



Remove the crank cap using a socket wrench. Rest the tool on the table with the bit end pointing upwards. This will allow the old grease to collect inside the crank housing.



Wipe out the old grease inside and replace with a fresh grease (30 g). Use only Makita genuine hammer grease (optional accessory). Filling with more than the specified amount of grease (approx. 30 g) can cause faulty hammering action or tool failure. Fill only with the specified amount of grease. Reinstall the crank cap and tighten with the socket wrench.



CAUTION:

- Be careful not to damage the terminal or lead wires especially when wiping out the old grease of installing the handle.
- Do not tighten the crank cap excessively. It is made of resin and is subject to breakage.

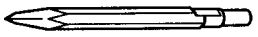
To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

ACCESSORIES

CAUTION:

These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. The accessories or attachments should be used only in the proper and intended manner.

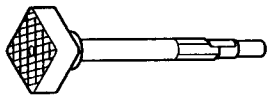
- **Bull point** (For demolishing)
  300 mm (11-7/8") Part No. 798146-1
  450 mm (17-3/8") Part No. 798147-9



- **Scaling chisel**
  50 mm (2") x 300 mm (11-7/8")
  Part No. 798141-1

- **Grooving chisel**
  22 mm (7/8") x 300 mm (11-7/ 8")
  Part No. 798142-9
  26 mm (1") x 300 mm (11-7/8")
  Part No. 798143-7

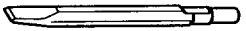
- **Bushing tool** (For surfacing concrete)
  67 mm (2-5/8") x 300 mm (11-7/8")
  Part No. 798144-5



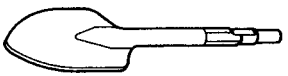
- **Bit grease** 100 g; 3.5 oz.
  Part No. 181573-3

- **Safety goggle**
  Part No. 191686-2

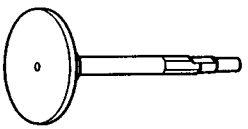
- **Cold chisel** (For gouging)
  26 mm (1") x 300 mm (11-7/8")
  Part No. 798139-8
  26 mm (1") x 450 mm (17-3/4")
  Part No. 798140-3



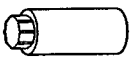
- **Clay spade**
  105 mm (4-1/8") x 400 mm (15-3/4")
  Part No. 798148-7



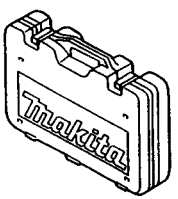
- **Rammer** (For tamping, ramming, etc.)
  140 mm (5-1/2") Part No. 798149-5



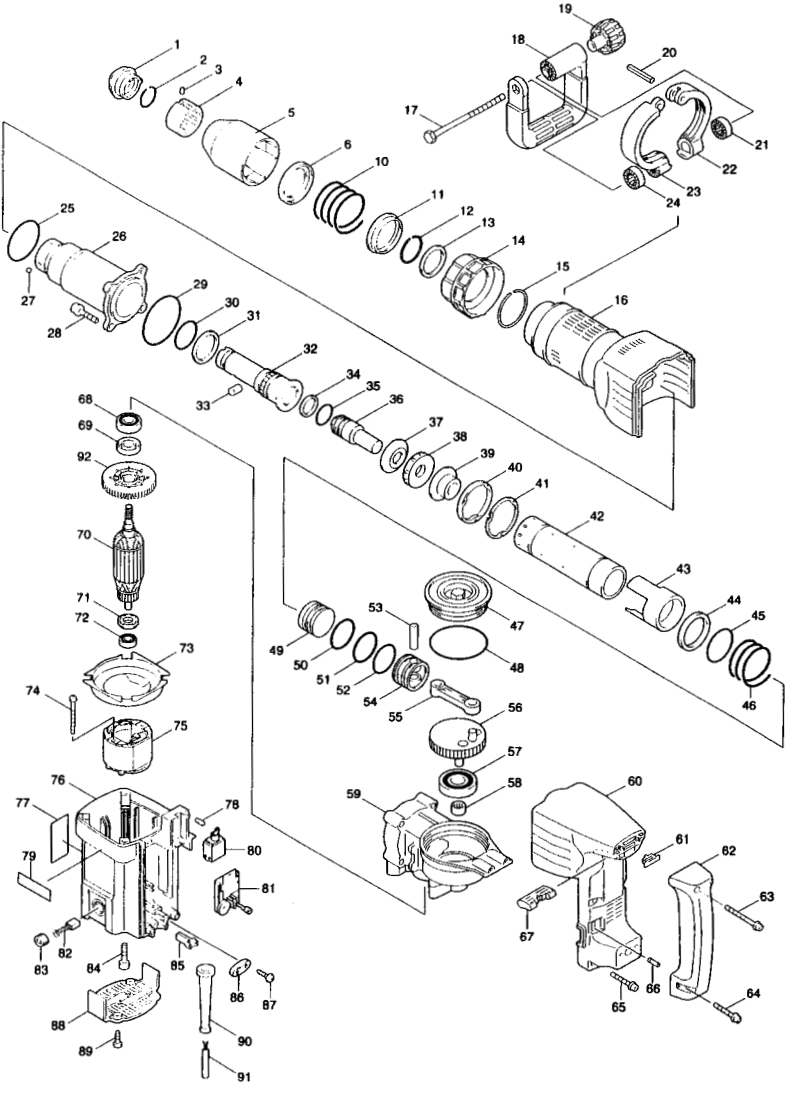
- **Hammer grease** (30 g)
  Part No 181490-7



- **Plastic carrying case**



DEMOLITION HAMMER
Model HM1242C



Note: The switch and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION
MACHINE		
1	1	Tool Holder Cap
2	1	Ring Spring 29
3	1	Pin 6
4	1	Roller Guide
5	1	Tool Holder Cover
6	1	Cup Washer 45
10	1	Compression Spring 55
11	1	Steel Ball Guide
12	1	Ring Spring 34
13	1	Flat Washer 37
14	1	Change Ring
15	1	Ring Spring 46
16	1	Housing Cover
17	1	Hex. Bolt M8x150
18	1	Side Handle
19	1	Wing Nut M8
20	1	Spring Pin 5–24
21	1	Side Handle Cam
22	1	Side Handle Base 82A
23	1	Side Handle Base 82B
24	1	Side Handle Cam
25	1	O Ring 58
26	1	Barrel
27	4	Steel Ball 5.6
28	4	Hex. Socket Head Bolt M8x30
29	1	O Ring 67
30	1	O Ring 38
31	1	Urethane Ring 43
32	1	Tool Holder
33	1	Roller 12
34	2	Fluoride Ring 28
35	2	O Ring 23
36	1	Impact Bolt
37	1	Impact Bolt Guide
38	1	Rubber Ring 25
39	1	Collared Sleeve 24
40	1	Guide Ring
41	1	Flat Washer 49
42	1	Cylinder Liner 44
43	1	Slide Sleeve 49
44	1	Ring 49
45	1	O Ring 38
46	1	Compression Spring 50
47	1	Crank Cap
48	1	O Ring 90
MACHINE		
49	1	Striker
50	1	O Ring 34
51	1	O Ring 34
52	1	O Ring 36
53	1	Sleeve 9
54	1	Piston
55	1	Rod
56	1	Crank Shaft
57	1	Ball Bearing 6304LLU
58	1	Needle Bearing 1212
59	1	Crank Housing
60	1	Controller Cover
61	1	Stopper
62	1	Handle
63	2	Hex. Socket Head Bolt M6x40
64	2	Hex. Socket Head Bolt M6x30
65	4	Hex. Socket Head Bolt M6x30
66	2	Acrylic Pin 5
67	1	Switch Lever
68	1	Ball Bearing 6202DDW
69	1	Oil Seal 17
70	1	ARMATURE ASSEMBLY (With Item 71, 72 & 92)
71	1	Insulation Washer
72	1	Ball Bearing 6000DDW
73	1	Baffle Plate
74	2	Tapping Screw 5x55
75	1	FIELD ASSEMBLY
76	1	Motor Housing Complete
77	1	Name Plate
78	1	Rubber Pin 4
79	1	Makita Mark
80	1	Switch
81	1	Controller
82	2	A.C. Carbon Brush
83	2	Brush Holder Cap
84	4	Hex. Socket Head Bolt M6x40
85	1	Fix Rod
86	1	Strain Relief
87	2	Tapping Screw 4x18
88	1	Rear Cover
89	2	Tapping Screw 4x18
90	1	Cord Guard 10
91	1	Cord
92	1	Fan 80

Note: The switch and other part specifications may differ from country to country.

アメリカ

MAKITA LIMITED ONE YEAR WARRANTY

Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others:
- repairs are required because of normal wear and tear:
- The tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE-YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

Makita Corporation
3-11-8, Sumiyoshi-cho,
Anjo, Aichi 446-8502 Japan

884290 — 063

PRINTED IN JAPAN
1999 — 12 — N